

MDEQ Comprehensive Nutrient Management Plan (CNMP) Requirements
December 2, 2005

The following outline identifies the elements that are required to be contained in the Michigan Department of Environmental Quality's (MDEQ) CNMP, as specified in National Pollutant Discharge Elimination System (NPDES) Permit No. MIG019000. The bolded print describes the elements that need to be included in the CNMP; the parenthesis cross-references the permit section.

The MDEQ recognizes that CNMPs are developed pursuant to programs other than the NPDES Program. The CNMP developed under this permit may follow the same format as the CNMP outline dated August 10, 2000, available at www.maeap.org or from the MDEQ. If that CNMP outline is followed, then the CNMP submitted to the MDEQ may omit portions, such as animal inputs and feed management, not related to compliance with permit requirements.

a. Approval:

The CNMP shall be approved by a Certified CNMP Provider.

b. Submittal and Contents:

The CNMP shall be submitted to the MDEQ by the date specified in the certificate of coverage. The CNMP submitted to the MDEQ shall include:

1) Large CAFO Waste Storage Structures - ensure adequate storage capacity of production area waste and CAFO process wastewater [Section A.4.a.]

a) Volume Design Requirements [Section A.4.a.1)]

Records documenting current design volume of any large CAFO waste storage structures, including volume for solids accumulations, design treatment volume, total design volume, and approximate number of days of storage capacity.

b) Physical Design and Construction Requirements [Section A.4.a.2)]

Records documenting the current structural design, including as-built drawings and specifications, of any large CAFO waste storage structures, whether or not currently in use.

c) Inspection Requirements [Section A.4.a.3)]

Weekly inspection plan for waste storage structures.

d) Operation and maintenance [Section A.4.a.4)]

Storage Structure Operation and Maintenance Plan.

2) Best Management Practices Requirements [Section A.4.b.]

a) Conservation Practices [Section A.4.b.1)]

Identify specific conservation practices used to control runoff of pollutants to surface waters of the state.

b) Divert Clean Water [Section A.4.b.2)]

Identify structures and management practices used to divert clean water from the production area.

c) Prevent direct contact of confined animals with the waters of the state in the production area [Section A.4.b.3)]

Identify appropriate controls used to prevent animal access to the waters of the state in the production area.

d) Animal Mortality [Section A.4.b.4)]

Identify appropriate practices that ensure proper management of mortalities in accordance with PA 239 of 1982, as amended, BODA.

e) Chemical Disposal [Section A.4.b.5)]

Identify appropriate practices that ensure chemicals and other contaminants handled at the CAFO are not disposed of in any production area, CAFO process wastewater, or storm water storage or treatment system.

f) Inspection, Proper Operation, and Maintenance [Section A.4.a.6)]

Provide an inspection, operation, and maintenance program for large CAFO wastewater- and runoff-handling equipment and management devices.

g) Land application of Large CAFO Waste [Section A.4.b.7)]

Provide a land application plan that includes:

A) Field-by-field assessment of all land application areas.

B) Testing of production area waste and soils at land application sites.

C) Field inspections prior to and following land application.

D) Inspections of land application equipment.

E) Field-specific application rates for large CAFO wastes.

F) Appropriate prohibitions for land application.

G) Methods of application.

H) Setback requirements for each field.

g) Non-Production Area Storm Water Management [Section A.4.a.8)]

Identify appropriate non-production area storm water management practices.